# Department of Public Works and Transportation Montgomery County, Maryland

# **DIVISION OF SOLID WASTE SERVICES**





Staff and volunteers gave information on waste reduction, recycling, buying recycled, composting, etc. to 3,633 people who visited the Division of Solid Waste Services' Recycling Information Booth at the County Fair, August 12-20.

# MONTHLY REPORT AUGUST 2005

# **TABLE OF CONTENTS**

<u>OVERVIEW</u>	3
CITIZEN COMMITTEES	4
<u>COLLECTIONS</u>	4
WASTE MINIMIZATION	7
HAZARDOUS WASTE PROGRAMS	7
AIR PERMITS AND ENVIRONMENTAL PROGRAMS	8
RECYCLING	9
PILOT PROGRAMS	10
FACILITY ACTIVITIES	10
GENERAL INFORMATION	13
SOLID WASTE FACTS IN A NUTSHELL	14
GLOSSARY OF ACRONYMS	15

### **OVERVIEW**

#### Tonnage at a Glance

The following table shows key material flows during the current month, fiscal year to date (FY Total), and current calendar month in the two prior fiscal years. (County fiscal year 2006 began July 1, 2005.)

FACILITY	Aug FY06	FY06 Total	Aug FY05	Aug FY04
Materials Recovery Facility <sup>(1)</sup>	8,298 tons	15,865 tons	7,395 tons	6,394 tons
Brunswick Landfill Facility <sup>(2)</sup>	23,376 tons	46,177 tons	28,643 tons	26,189 tons
Resource Recovery Facility <sup>(3)</sup>	54,616 tons	108,320 tons	54,565 tons	53,678 tons
Yard Trim Compost Facility	3,878 tons	8,030 tons	4,753 tons	3,852 tons

<sup>&</sup>lt;sup>(1)</sup>MRF tons reported are outgoing.

#### **Revenue Analysis and Systems Evaluation** – During August, program staff:

- Researched 48 new properties and entered billing changes into database;
- Prepared monthly house counts for collection contractors;
- Processed vacancy refunds payable in August;
- ◆ Updated Access<sup>™</sup> databases and Excel<sup>™</sup> spreadsheets for monthly collection contractor reports;
- Continued routine research and correction of solid waste fee abnormalities as they emerge in the property tax database;
- ◆ Generated Hauler Credit Account invoices for August 2005 totaling \$1,597,751.45 (a decrease of \$286,359.06 below August 2004, reflecting lower tonnage deliveries);
- ◆ Updated Aging Report (30-day arrearage was <u>\$0.00</u> as of 9/8/05);
- Processed and completed tabulating 6 month Hauler Tonnage Reports for the period of January through June 2005;
- Set up logs and began processing early-submitted non-residential appeals for FY05:
- Began performing field audits of 6 month hauler tonnage reports;
- ♦ Completed the FY05 Mass Balance (County-Wide Materials Flow Analysis);
- Assisted the Division of Tax and Finance on year end revenue accounting;
- Continued work on the feasibility of a billing system based on measured dumpster service (researched the status of related industry standards);
- ◆ Continued work on "Annual Average Unit Cost" measures;
- Made progress on a system-wide marginal cost analysis; and

<sup>(2)</sup> This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled.

<sup>&</sup>lt;sup>(3)</sup>RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here.

◆ Developed a complete baseline "same-service" budget for FY07, reflecting all known and reasonably forecasted contractor inflation factors, and submitted same to OMB as proposed basis for our MARC FY07 budget.

#### **CITIZEN COMMITTEES**

<u>Facilities Implementation Group</u> – FIG met June 8, 2005 at the Gothic Barn in Dickerson. Sixteen FIG members and 5 County staff were in attendance. Topics discussed included Orientation on Mercury, the Notification Protocol Policy and the Horst Lease.

The next FIG meeting will be held on September 13, 2005, at the Gothic Barn in Dickerson.

<u>Solid Waste Advisory Committee</u> – SWAC held its regular monthly meeting on Tuesday, August 2<sup>nd</sup>, in the EOB lobby level conference room. Ten SWAC members and two County staff were in attendance. SWAC members were given a budget background briefing by County staff; this was followed by a discussion on SWAC's FY 2007 budget priorities.

### **COLLECTIONS**

**<u>Refuse</u>** – There were no disruptions of service during the month of August.

<u>Contractor Performance</u> – During the month of August 2005, DSWS received 394 complaints; 238 less than in August 2004, which numbered 632.

**Enforcement Actions** – No citations were issued for violation of the County's Solid Waste Laws.

Four NOV's were issued for violations of the County's Solid Waste Laws:

Two NOV's Improperly stored or permitted solid wastes to accumulate
One NOV Deposit solid wastes upon property of another without written

consent

One NOV Left a collection vehicle unattended

#### **Customer Service**

Calls received	14,108
E-mails received	1,560
Blue bins distributed	1,165

**Recycling** – DSWS continued to collect unwanted mixed paper carts from residents and redistribute them to residents in townhouses. The average number of cart pick-up requests per day is 15.

Mixed paper tonnages for the residential program during the past 52 weeks are as follows:

CURRENT PERIOD	POUNDS PER HOUSEHOLD	CORRESPONDING PERIOD PREVIOUS YEAR
8/30/04-9/24/04	11.34	10.43
9/27/04 - 10/22/04	10.98	10.50
10/25/04 – 11/19/04	11.74	11.43
11/22/04-12/17/04	11.94	11.97
12/20/04-1/14/05	12.05	10.67
1/17/05-2/11/05	10.71	9.33
2/14/05-3/11/05	11.05	9.82
3/14/05-4/8/05	11.76	10.19
4/11/05-5/6/05	12.40	10.58
5/9/05-6/3/05	12.35	10.96
6/6/05-7/1/05	11.80	9.97
7/4/05-7/29/05	11.40	9.49
8/01/05-8/26/05	11.72	10.09

<u>Public Outreach</u> – The Inspectors & Public Service Worker II distributed 2,379 survey cards in August and received 221 back for a return rate of 9.3%. Of the residents that responded, 74.7% rated our services and programs as either excellent or good.

### Comments from Survey Cards

Holiday Slide Schedule

Excellent job. Very reliable. Very polite staff. They work hard in hot, miserable weather conditions. Kudos to the recycle/trash personnel.

For the month of August 42 residents responded to our web site survey. The following are percentages of the results:

Curbside							Not
Programs	Excellent	Good	Acceptable	Poor	Unaccepta	able	Answered
Blue Bin	55.3%	20.4%	4.6%	0.0%	7.0%		12.7%
Mixed Paper	62.0%	28.2%	1.0%	1.0%	0.0%		7.8%
Yard Trim	46.6%	16.3%	19.0%	0.5%	0.0%		17.6%
Scrap Metal	20.4%	9.6%	9.5%	1.0%	1.0%		58.5%
Trash	46.4%	27.0%	1.0%	7.0%	1.0%		17.6%
Recycling							
Crew	45.3%	35.8%	11.9%	2.0%	0.0%		5.0%
Trash Crew	28.9%	27.7%	11.9%	2.0%	1.0%		28.5%
Customer							
Service Staff	52.4%	10.5%	9.5%	11.09	6 0.0%		16.6%
<b>Programs Residents Familiar with</b>		h Yes		No	Not	Answered	
HHW	85		85.89	%	14.2%		0%

16.7%

0%

#### Comments from Web site Surveys

I appreciate that you are responsive to e-mail questions. Nice to have staff that can personally respond to inquiries.

We moved here from Ohio last year and used to have to take our recyclables somewhere, so we really appreciate the blue bins and the excellent service.

The bulk pickup is a bit odd to schedule and the pickup limit seems expensive to monitor, but that's over the top nit picking. You guys do a terrific job and the recycling part of the Shady Grove transfer station is a great idea. For once I don't begrudge the taxes.

<u>Web site</u> – The following is information gathered from the Montgomery County Solid Waste web site through the month of August:

**E-mail List Memberships** 

Topic	Members	New Sign-Ups
Holiday Reminder	5,182	37
HHW Announcements	1,670	20
Newsletter Helper	607	15
Facility Updates	203	7

#### **Solid Waste Services Web site**

Unique Visitors	21,231
Page Loads	93,727
SORRT (index page)	735 hits
TRRAC (index page)	158 hits

**Most Popular Web Pages** 

1. How to recycle/dispose of
2. Trash
3. HHW
4. Special Collections
5. Store
6. Latex Paint
7. Online Pick-up Request (scrap metal/bulk trash)
8. Curbside collections
9. Transfer Station Fees
10. SORRT home page

#### Comments from e-mails

You do such a great job for us taxpayers. Can you tell me where & when to dispose of paints?

I was trying to locate the day of my recycling pick up and found it easily. Thank you.

As always, the Newsletter and links are very helpful...Thank You! It never dawned on me until I scanned the blue bin information that I could simply wait weeks until I filled the large newspaper bin to the brim to take it out to the curb! It is a convenience--now if I just had enough space to tuck it out of sight and out of the way!

I've made several trips to the waste facility at Shady Grove, and I always come away impressed and proud of the work done there. The site is always clean, the employees helpful, and what-goes-where clearly marked. Thanks to everyone there for the work they do!

## **WASTE MINIMIZATION**

Product Recycled	Approximate weight recycled in August 2005
Computers	52.8 tons
Fire Extinguishers	0.7 tons
Propane Tanks	4.3 tons
Textiles	11.6 tons
Construction Materials (Don't Dump – Donate)	1.5 tons
Bicycles	0.3 tons
Rechargeable Batteries	0.9 tons

<u>**Department of Environmental Protection's Home Composting and Source Reduction Activities** – The GreenMan Show continues to air daily on Cable Channel 6, with online streaming video and access to past shows via online archives. The show is available to 205,000 cable subscribers within Montgomery County.</u>

The GreenMan Column continues in the Montgomery County and Frederick County editions of the Gazette Newspapers, with a print circulation of 342,794. The column is also accessible online via greenmanshow.com and at www.gazette.net under "Columns."

## **HAZARDOUS WASTE PROGRAMS**

<u>Household Hazardous Waste Collection</u> – 2,656 patrons used the regular HHW drop-off program at the Transfer Station in August 2005.

<u>Mercury (Hg) Free Campaign</u> – The program for collecting Hg thermometers and passing out digital thermometers continues to receive active participation via walk-ins at the Transfer Station office and exchanges at the HHW drop-off sites.

<u>Small Quantity Generator/Ecowise Program</u> – One Small Quantity Generator (SQG)/Ecowise event was held on August 10<sup>th</sup>; 12 companies participated in the event.

### **AIR PERMITS AND ENVIRONMENTAL PROGRAM**

Resource Recovery Facility (RRF): CEMS Tracking of RRF Operations - The Continuous Emissions Monitoring System (CEMS) indicated that all 3 units operated for approximately 28 days. During weekends, the units operated with reduced loads ranging from 55% to 75%. At approximately 10 p.m. on August 5<sup>th</sup>, the CEMS showed a CO spike for unit 2 indicating that the unit was being brought offline. Inquiries with Covanta indicated that the unit was taken out to repair bearings on the over fire air fan. Thereafter, units 1 and 3 operated until August 8<sup>th</sup>. At approximately 4 a.m. on August 8<sup>th</sup>, the CEMS started showing emissions from unit 2 indicating that the unit was brought back online after repairing the bearings. Thereafter, all 3 units operated until the end of the month. On August 24<sup>th</sup>, the Hydrogen Chloride (HCI) monitor on unit 1 malfunctioned and showed a spike at 6 a.m. The reading was 154 ppm compared to the Title V Air Permit limit of 25 ppm. The equipment was immediately repaired by Covanta staff and the reading at 8 a.m. was 14 ppm. The HCl spike does not constitute a violation of the Title V Air Permit because of the equipment malfunction provision of the Permit. There were no other equipment malfunctions that affected stack emissions in August with the exception of the incidents discussed above.

The monthly "Opacity Test" was conducted on August 15<sup>th</sup>. The opacity test is a requirement under the RRF Title V Air Permit. As in past tests, the opacity readings were 0% compared to the Title V Air Permit limit of 10%.

In the first week of August, the set of three CEMS CD-ROMs was updated to include CEMS data up to July 31<sup>st</sup>. Copies of the CDs' were placed in the Rockville and Poolesville libraries.

<u>FIG-SWAC Air Quality Subcommittee</u> – There was no activity of the committee this month. ENSR is currently preparing the draft report for the Cumulative Health Risk Assessment. The report is expected by the middle of September. Copies of the report will be sent to NIH, Mirant and DNR for their preliminary review. ENSR is also preparing responses to DNR's comments on the Non-Air Media Monitoring Report. This document is also expected by the middle of September. Copies of these documents will be sent to the Air Quality Subcommittee in late October. The U.S. EPA has agreed to review the RRF Health Risk Assessment Report completed in 2004. Copies of the report will be mailed to the Agency in September. The Agency's review process is expected to take up to six months.

<u>Oaks Landfill Air Emissions and Energy Recovery</u> – SCS Engineers submitted gas sampling results at the Oaks Landfill for the month of August 2005. In August, gas samples were taken at the flare inlet on August 23<sup>rd</sup> and 24<sup>th</sup> for a total of 4 samples. The gas flow ranged from 1021 standard cubic feet per minute (scfm) to 1040 scfm for an average flow of 1032 scfm. Methane levels were also measured on those two days both at the blower inlet and the flare inlet for a total of seven measurements. The methane levels ranged from 44.8% to 48.9% for an average of 47.7%. SCS continues to conduct monthly gas sampling and analysis at the Oaks under the Engineering

Services Contract. The gas sampling results will be used to prepare the 2005 "Emissions Certification Report" for submission to MDE in March 2006.

#### **Contracts and RFP's**

- ENSR Contract Expires in May 2006. ENSR is currently working on two projects, the Cumulative Health Risk Assessment and the Non-Air Media Monitoring Program. The draft report on the Cumulative Health Risk Assessment will be sent to the Air Quality Subcommittee for their review in October 2005. The final report for the Non-Air Media Monitoring Program will be completed by December 2005. ENSR will also address EPA's comments on the RRF Health Risk Assessment.
- ◆ <u>TES Contract</u> Expires in August 2006. TES performed the monthly maintenance work for the month of August. All instruments including the anemometer, wind vane, temperature and dew point sensors, and the rain gauge have been performing correctly. Data recovery for all parameters was 100% for the month. The total rainfall for August was 2.15 inches.

#### **RECYCLING**

<u>Public Education and Outreach</u> – A comprehensive educational brochure about the revised recycling regulation (ER15-04AM) and the ban on disposal of recyclables in the waste (ER18-04) was mailed to 32,000 businesses, 600 multi-family properties, and 1,310 community associations and civic groups.

<u>Recycling Investigations</u> – Since this unit was established, 253 investigations have been conducted. In August, the Recycling Investigations Unit issued 37 Notices of Violation for infringements against the recycling regulations and/or Chapter 48.

Commercial Recycling and Waste Reduction – Staff conducted 287 on-site visits of businesses in August and resolved 17 complaints. In a continuing effort to improve recycling programs at small businesses, 697 desk-side recycling bins were distributed to businesses in August, with 5,534 distributed to date in 2005. Staff participated in 6 outreach events reaching 555 people. The notification packet notifying businesses of ER's 15-04AM and 18-04 was mailed to approximately 32,000 businesses and generated significant interest. Staff answered over 3,100 phone calls in August directly related to the packet including questions on the two regulations and completing the business recycling plan. All business recycling plans are due September 15<sup>th</sup>. Development of a special edition of the SORRT Network Newsletter continued and is expected to be mailed by late September.

<u>Multi-Family Recycling</u> – Staff conducted 156 on-site visits of multi-family properties to educate management and tenants on the County's new recycling requirements. Educational tools and materials distributed to property managers to educate and promote recycling were 3,975 brochures and flyers, 3,100 stickers, and 360 posters. To further help increase recycling efforts of multi-family properties, 360 blue bins were delivered. Staff also participated in 5 outreach activities to promote ER15-04 AM and

740 residences were educated as a result of this effort. The informational brochure highlighting the new regulations is in its final stages. The TRRAC web site and brochures are in the process of being updated to reflect ER 15-04AM and ER 18-04 requirements. The next issue of the TRRAC newsletter is in the final draft stage; it is scheduled to be mailed out in September.

<u>Mixed Paper Recycling</u> – Existing educational materials were distributed to residents at events. Larger quantities of materials were also provided to homeowners associations and civic groups for their use and distribution. Work on a cardstock self-mailer to all single-family households is in process.

<u>Volunteer Activities</u> – During August, 60 volunteers contributed 402 hours of their time to support recycling activities and events, including participating in National Night Out events and the Montgomery County Agricultural Fair (391 volunteer hours). Ten new volunteers were recruited during August.

### **PILOT PROGRAMS**

<u>Cooperative Collection/Alternative Collection</u> – Participating businesses are awaiting final confirmation on pricing from the recycling contractor. After final pricing is received, staff will arrange a meeting, held to facilitate the execution of the contracts between the five selected businesses and the recycling contractor, and to begin the refuse and recycling collection services.

<u>Tubgrinding Pilot</u> – Tubgrinding of screened rejected material was conducted from June 8-30, 2005; 8,200 cubic yards of material was produced. In August, 770 yards were sold.

## **FACILITY ACTIVITIES**

Resource Recovery Facility – The RRF processed 54,616 tons, or 1,762 tons per day. Trash deliveries averaged 12,056 tons/week. With the warm air temperatures and increased make-up temperatures from the Mirant discharge canal, the facility wrested with higher cooling water temperatures. With modifications in equipment lineups and creative cooling techniques, the facility was able to compensate and remained at peak generating capacity during on-peak hours. The only downtime for the month was due to repairs on unit #2. Seventeen hours of downtime beginning on August 5<sup>th</sup> was recorded for the repair on a failing bearing on the over fire air fan. The unit remained down for the weekend due to low waste receipts. With existing MSW deliveries, loads continue to be reduced during off-peak hours to match processing to availability of trash.

There were no OSHA recordable incidents during the month.

There were no generation emergencies issued by Mirant during the month. There was no need to purchase power during the month. There was one forecasted Code Red Day during the month.

There were no reportable air or water quality environmental excursions during the month. The following environmental activities occurred:

- ◆ Submitted the July 2005 Water Supply Monthly Operating Report to MDE;
- ◆ Performed the monthly visible emission (Method 9) observation required by the RRF's Title V Permit;
- ◆ Submitted the Sewage Sludge Utilization Permit renewal to MDE;
- ◆ Mitchell Welsh of MDE performed an unannounced solid waste inspection on August 23<sup>rd</sup>. No issues of concern were noted; and
- ♦ Submitted the 3rd quarter 2005 Bacteriological Monitoring Report to MDE.

<u>Materials Recovery Facility</u> – Approximately 1,786 tons of commingled material were shipped out and approximately 6,512 tons of mixed paper were loaded out and transferred to the Office Paper Systems, Inc. processing facility in August 2005. Painters completed their work on the original roof. The acoustic panels in the mezzanine area were cleaned. One of the forklifts was painted. The conveyor system carrying whole glass containers and large, broken glass was painted. Cracks in the sidewalk in front of the building were patched.

<u>Oaks Landfill</u> – Rummel, Klepper & Kahl submitted a draft preliminary design for review by DSWS of a replacement leachate line, part of which will be a force main, to replace several thousand feet of partially blocked gravity line downgradient from the ash disposal cell. DSWS continued work with the Office of the County Attorney on a draft agreement for development of a landfill gas-to-energy project. A Request for Proposals (RFP) for operation of the leachate pretreatment facility was issued by the Office of Procurement. The current contract for these services expires in January 2006.

<u>Gude Landfill</u> – DEP continued monitoring the test wells near the Gude Landfill on a weekly basis. Methane levels near the homes adjacent to the landfill have dropped substantially since improvements were made to the power plant and flare system at the landfill, but methane continues to be detected in several wells. SCS Engineers, the firm assisting DSWS is assessing the gas migration problem, is soliciting bids among well drillers for the installation of additional permanent gas monitoring wells along the landfill border. The power plant still requires major overhaul work, and DSWS continued working on a lease amendment with Covanta to perform repairs and continue operations for a few more years.

<u>Transfer Station</u> – During August, Covanta shipped via rail 54,062 tons of processible waste from the Transfer Station to the Resource Recovery Facility, 3,123 more tons than shipped in August 2004.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

DPWT Division of Capital Projects received an independent cost estimate for proposed improvements to the Transfer Station. This information was reviewed by the Division of

Capital Projects along with the design engineer's estimate, and a final estimate was provided to OMB.

Paving repairs were made to the scrap metal load out area.

An estimate was solicited from the County's fencing contractor for repairs to the fencing around the scrap metal area.

The inbound radiation detectors had 15 alarms in August 2005. There was 1 false alarm (an alarm that could not be re-verified) – 12 of the 15 alarms were identified as low levels of medical isotopes with short half-lives in trash; 11 were accepted. One load was sent back to NIH because the driver did not follow NIH procedures to have the container screened before leaving NIH property. Two of the alarms involved drivers or passengers who had undergone recent medical tests or treatment involving radioactive isotopes, and residual radiation.

<u>Site 2 Landfill Properties</u> – Staff is waiting for an opportunity to discuss with the local citizen advisory group before it decides on whether pond embankments should be disturbed so as to drain the water from the ponds, thus eliminating the need for dam inspections. Staff continued to make arrangements for 2 dam inspections. Leasing is working on the tenant lease for the Draper Property.

<u>Yard Trim Compost Facility</u> – In August, the Yard Trim Facility received 3,878 tons of material for composting.

Three thousand three hundred and ninety (3,390) cubic yards of Leafgro were shipped to distributors.

<u>Bagging Operation</u> – In August 19,100 bags of Leafgro were shipped to distributors. (Each bag is 1.5 cubic ft. weighing 45 lbs.).

No ComPRO was shipped to distributors (Each bag is 1 cubic ft. weighing 30 lbs.).

# **Out-of-County Haul**

**Brunswick County, Virginia** – During the month of August, about 16,193 tons of ash residue and 7,183 tons of nonprocessible waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. (BWMF) Landfill in Brunswick County, Virginia. About 977 tons of oversize bulky wood waste were shipped from the Transfer Station to Butler Wood Recycling in Tuscarora, MD for recycling. BWMF is having a prototype composite ash container manufactured for testing. The container is scheduled to be delivered to the RRF in September.

## GENERAL INFORMATION

#### **Important Telephone Numbers**

General information on solid waste 240-777-6400

Customer Service 240-777-6410

Transfer Station 301-840-2370 (County Office)

301-590-1032 (Covanta) 301-330-2840 (MES)

Materials Recovery Facility 301-840-2701 (County Office)

301-417-1433 (MES)

Resource Recovery Facility 240-777-6494 (County Office)

301-916-3031 (Covanta)

Yard Trim Compost Facility 301-428-8185 (MES)

Internet for DSWS <u>www.montgomerycountymd.gov/solidwaste</u>

www.montgomerycountymd.gov/recycling

www.montgomerycountymd.gov/hazardouswaste

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

Theresa Souders
Department of Public Works and Transportation
Division of Solid Waste Services
101 Monroe Street, 6th Floor
Rockville, MD 20850

Tel: 240-777-6425 Fax: 240-777-6465

E-mail: <a href="mailto:theresa.souders@montgomerycountymd.gov">theresa.souders@montgomerycountymd.gov</a>

# SOLID WASTE FACTS IN A NUTSHELL

TOPIC OR FACILITY	
Latest Recycling Rate Reported in	37.6% (FY04)
Montgomery County	
Recycling Goal	50% by December 2010
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 TPD on an annual basis (558,450 tons/yr @ 5,500 BTU/lb waste).
Yard Trim Composting Facility (DCF)	Operations limited to receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY04 tons received- 76,972
# Residences receiving trash collection	86,557
by County contractors	
# Residences receiving collection of	206,013
recyclables in blue bins and yard trim	
collection	
Term of out-of-county waste transportation	June 19, 1997 through June 30, 2012
and disposal contract with Brunswick Waste	with an option for a five-year renewal.
Management Facility, Inc.	(Service started on October 20, 1997.)

#### **GLOSSARY OF ACRONYMS**

AAR American Ash Recycling, Inc.

APC Air Pollution Control

ASME American Society of Mechanical Engineers
BWMF Brunswick Waste Management Facility, Inc.

CDL Commercial Driver's License

CEMS Continuous Emissions Monitoring System

CFR Code of Federal Regulation
CIP Capital Improvements Program

COD Cash on Delivery

COG Metropolitan Washington Council of Governments

CSX Chesapeake Transportation Systems

CY Calendar Year

DEP Department of Environmental Protection
DNR Maryland Department of Natural Resources
DPWT Department of Public Works and Transportation

DSWS Division of Solid Waste Services
EPA Environmental Protection Agency

ER Executive Regulation

FIG Facilities Implementation Group

FY Fiscal Year GFA Gross Floor Area

HHW Household Hazardous Waste

IFB Invitation For Bid

IPM Integrated Pest Management KMCB Keep Montgomery County Beautiful

LFG Landfill Gas

LTTS Leachate Thermal Treatment System
MCPS Montgomery County Public Schools
MCR Maximum Continuous Rating
MDE Maryland Department of Environment
MES Maryland Environmental Service

Mg/I Milligrams per liter

M-NCPPC Maryland National Capital Park and Planning Commission

MRA Maryland Recycling Act
MRF Materials Recovery Facility
MSW Municipal Solid Waste
MWh Mega Watt hours

NIH National Institutes of Health

NMWDA Northeast Maryland Waste Disposal Authority

NOV Notice of Violation

NPDES National Pollution Discharge Elimination System

NTP Notice to Proceed

OLAC Oaks Landfill Advisory Commission
OMB Office of Management and Budget

OPS Office Paper Systems

OSHA Occupational Safety & Health Administration

PEPCO Potomac Electric Power Company
PSA Public Service Announcement
PUF Public Unloading Facility

QSC Qualification and Selection Committee

RFP Request for Proposal
ROL Reduced Operating Level
RRF Resource Recovery Facility
SCA Sugarloaf Citizens Association
SHA State Highway Administration

SORRT Smart Organizations Reduce and Recycle Tons
SDAT State Department of Assessments and Taxation

SQG Small Quantity Generator
SWAC Solid Waste Advisory Committee
TCLP Toxic Characteristic Leaching Procedure
TES Technical Environmental Services

TPD Tons Per Day

TRRAC Think Reduce and Recycle at Apartments and Condominiums
TXA 170 Computer Interface Program (Property Account Database)

UT Ultra-sonic Testing